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(21) International Application Number: PCT/US98/23496 (22) International Filing Date: 4 November 1998 (04.11.98) (30) Priority Data: 60/086,232 10 November 1997 (10.11.97) US (71) Applicant (for all designated States except US): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): INSEL, Paul, A. [US/US]; 3364 Eton Avenue, San Diego, CA 92122 (US); HERMANN, Volker [US/US]; 3962 Jewell Street #T 308, San Diego, CA 92109 (US); BUESCHER, Rainer [US/US]; 8138 Regents Road #101, San Diego, CA 92122 (US). (74) Agent: BERLINER, Robert; Fulbright & Jaworski L.L.P., 29th floor, 865 S. Figueroa Street, Los Angeles, CA 90017-2576 (US).		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS AND COMPOSITIONS FOR IDENTIFYING VARIATIONS IN HUMAN α_{1B} - AND β_2 -ADRENERGIC RECEPTOR GENES (57) Abstract The present invention provides compositions and methods for a rapid and specific amplification of large segments of the coding sequence of the human β_2 -adrenergic receptor gene and the human α_{1B} -adrenergic receptor gene. The invention also provides means for identifying genetic alterations in these receptors that were previously not amenable to routine and automated genetic analysis. Furthermore, the invention provides a simple and inexpensive method for diagnosing diseases based on the genetic alterations in these receptors.		